Title (en)
METHOD FOR ADJUSTING THE FREQUENCY OF A MEMS RESONATOR

Title (de)
VERFAHREN ZUR EINSTELLUNG DER FREQUENZ EINES MEMS-RESONATORS

Title (fr)
PROCEDE PERMETTANT D'AJUSTER LA FREQUENCE D'UN RESONATEUR MEMS

Publication
EP 1743421 A2 20070117 (EN)

Application
EP 05711332 A 20050111

Priority
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Abstract (en)
[origin: US2005242904A1] There are many inventions described and illustrated herein. These inventions are directed to a method of fabricating a microelectromechanical resonator having an output frequency that may be adjusted, tuned, set, defined and/or selected whether before and/or after final packaging. In one aspect, the method of the present invention adjusts, tunes, sets, defines and/or selects the frequency of the microelectromechanical resonator by changing and/or removing material from the mechanical structure of the resonator by resistively heating (in a selective or non-selective manner) one or more elements and/or beams of the mechanical structure (for example, the moveable or expandable electrodes and/or frequency adjustment structures).

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US 2005242904 A1 20051103; **US 7102467 B2 20060905**; CN 1977448 A 20070606; CN 1977448 B 20100616; DE 602005013660 D1 20090514; EP 1743421 A2 20070117; EP 1743421 A4 20080514; EP 1743421 B1 20090401; JP 2007535275 A 20071129; JP 2011211741 A 20111020; JP 2014027693 A 20140206; JP 4980210 B2 20120718; JP 5437316 B2 20140312; JP 5748823 B2 20150715; US 2006255881 A1 20061116; US 7221241 B2 20070522; WO 2005109639 A2 20051117; WO 2005109639 A3 20060223

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